





## Scientist of Carnegie Institute Believes Centre of The Earth To Be Mass Of Solid Gold

"The heart of the earth," says a new theory, "is a heart of gold." At the very centre of the globe there may be an immense mass of gold and silver and platinum, and the other heavy metals.

This is not more fantastic speculation, but rather deduction from the most critical investigation ever made of the chemistry of the earth's crust—an investigation conducted by the acknowledged world authority on this subject, Dr. Henry S. Washington, of the Carnegie Institution of Washington, D.C.

Dr. Washington, studying over 5,000 trustworthy chemical analyses of the crust of the earth, found that the elements common to the crust are exclusively those of higher weight. The heavier elements are found in the most minute proportions. Gold, for instance, composes less than one-millionth of one per cent. of the earth's crust.

Yet Dr. Washington thinks it is improbable that these heavier elements are always lacking. The heavier elements are missing gold, platinum and other heavy elements? Have they hidden themselves away out of reach?

Dr. Washington believes they have. He thinks that the earth was once molten. While it was in this condition the lighter elements rose to the surface. The heavier ones, however, he thinks that millions of tons of the missing elements are inside the earth now.

At the very centre he would expect to find a core of the heaviest elements—such as platinum, gold, antimony and cadmium. The latter the heaviest known substance, familiar to all in that natural alloy, "indium" used for the tips of gold pens. There is this sphere of precious metals there, for example, a zone of these elements that are little less heavy—copper, silver and lead. If there is a zone of iron, as Dr. Washington thinks there is, it presumably comes next. Clear outside, on top of all the molten mass, is the surface layer of the lightest elements—the slag layer, the rocky crust on which we live.

If this is true, where do the veins of gold, silver, and copper that are mined in the earth's crust come from? The generally accepted scientific answer is that they have been brought upward by ascending magma from the water from the depths of the earth.

More than 60 years ago the great English scientist, Lord Kelvin, pointed out that an earth composed of this solid crust surrounding a liquid interior would never be able to withstand the tidal pull of the sun and the moon. It is this pull of the heavenly bodies that makes the tides stronger in the ocean. Now the pull is just as strong, or stronger, on the land. Why, then, are there not tidal waves in the solid ground as there are in the sea? Other scientists have said it is solid—because the land is too firm and rigid to yield to the tidal pull the way the sea does.

Lord Kelvin argued out in tons, the amount of these tidal pulls on the land. They were stupendous—many times larger than any possible resisting strength of the 50 or 60-mile crust. Then, supposed to constitute the only solid part of the globe. If we really tried to live on a thin, rocky crust floating on a sea of liquid lava, we should not last one hour. Inside of 24 hours the solid ground would smash under our feet. Twice each day a vast wave of molten rock hundreds of feet high, would roll around inside the shell of the earth, bursting through it and creating a swirling vortex of anything solid.

These actuals do not, it is true, in the field as well as in the ocean, a tide, but it is a few inches high, instead of hundreds of feet. It is the tidal pull of the sun and moon that would happen in a very rigid solid—like the ball of crushed liquid. We may be quite sure, then, that the earth as a whole is a huge solid ball.

This view Prof. Hildebrand has lately brought out in his book, "Earth Evolution and Its Future Development," though he prefers the word "rigid" to the word "solid," for rigidity is only one of the properties of

solids. Under the tremendous pressure and temperatures inside the earth, it is possible that the properties of matter are not the same as we know them on the surface. Tides may be "rigid" and still lack some other property of "solids." Prof. Hildebrand explains the origin of a rigid earth each on the blazing, scorching stars of space by reference to a new theory of how the earth was formed—the so-called "planetesimal hypothesis."

This hypothesis begins by imagining the sun as a single star, a little larger and hotter probably than it is now. There were no planets swirling around it then. Along came another star. It happened to pass close to the sun that the gravitational attraction between the two celestial bodies pulled out a lot of the matter from the sun, forming a "planet."

This enormous pulled-out "planet" must have been as revoluble about the sun. In time, as they collided with one another, clinking together when they struck, they gathered into great lumps. These lumps are the planets we know today—Venus, Mars and the others, also the earth.

### Screenings For Fattening Cattle Can Be Employed In Any Grain Mixture With Good Results

In a steel feeding test conducted at the Lethbridge, Ont., Experimental Station, it was ascertained that the screenings allowed out of wheat at the large grain elevators are an excellent feed for fattening cattle for market. The screenings used were of the class known to the feed trade as "reclaimed elevator screenings." This is a standardized product derived of better weed seeds which some years ago gave screenings a bad name.

Two lots of eight steers were used in the feeding test. Both lots received the same hay and ensilage ration. One lot was fed a meal ration composed of equal parts ground corn, oats and barley, and the other received ground screenings (two parts) and bran one part. The steers getting the meal crop made an average daily gain during the six months of feeding of 1.41 lbs., while the second lot gained an average of 1.28 lbs. daily. Comparing the cost of feed used per pound of gain, it is shown that the screenings gave better results, the difference being 40 cents per hundred pounds of gain in favor of the screenings.

This experiment gives interest to the feeding test known as "mill screenings," which will soon become a plentiful product on the market. By an amendment to the Feeding Stuffs Act, the screenings taken from wheat prepared for grinding into flour will be sold as screenings and not ground up and mixed with shorts as has been the custom for years. Mill screenings are as useful for hog feeding as for the fattening of beef cattle, and can be safely employed in any grain mixture with assurance of good results.

### Manitoba Fisheries

Approximately 2,000,000 pounds of dressed fish were taken from Lake Winnipeg Lake this year, according to advice received in Winnipeg. Fishing was not good this year, and it is appeared unlikely that the total annual catch would exceed 2,000,000 pounds. It was found advisable to extend the season to help relieve the position of the fishermen.

A whale is capable of swimming twelve miles an hour.

### A Non-Metallic Mineral

Bentonite Responsible For The Gumbo Soil of Western Canada

A non-metallic mineral which promises to be of considerable importance when it has been further investigated is the clay known as bentonite. During the past summer the Mines Branch of the Department of Mines has had Mr. H. S. Spencer, Mining Engineer, in the first making intensive investigations as to possible economic occurrences, uses and markets. Mr. Spencer also has reviewed general conditions and developments in several industries on which special reports have already been issued.

The occurrence of bentonite in Canada was first noted in 1911 by the late Joseph Keefe, ceramic engineer of the Department of Mines at Ottawa, Alberta, and later, along the Red River Valley in Alberta and in the Nikto Valley in British Columbia, as described by Mr. Keefe's bentonite, when freshly exposed, varies in color from a light yellow to a light silvery green with a waxy luster. It is exceedingly fine grained and has a soapy feeling when wet. In water it forms a jelly-like mass. When sufficiently wet it swells to as much as twelve times its original volume.

The recent purchase of Alberta University are reported to have established the fact that the presence of bentonite is responsible for the gumbo soil of Western Canada. The laboratories have also reported that as the bentonite content of the gumbo soil constitutes the hardening element, if a waterproof material can be economically provided a high-grade road bed can be established.

Under present conditions the absorptive properties of bentonite forms the country is being used in a very sticky state. Present work is being carried on at present with the bitumen sands of the Klondike district as to the possibility of using this material as a water-proof coating for western roads.

While the presence in the soil is undoubtedly a serious drawback in regard to transportation, bentonite has already a few commercial uses. One is as a filler in rubber, leather, and other materials. It is also used for paper, for which purpose it is claimed to be superior to kaolin, at present present for its use in the making of oil wellpapers. It is also used as an ingredient in pastes for attaching paper labels to metal or leather covers, thus preventing the labels from curling up and becoming detached. It is finding some use as a filler in the lead pencil and crayon industry. It has been used as a "roof-packing" in veterinary practice.

Other suggested uses for bentonite are: As a filler in rubber, leather, phonograph records, cordage, pressed and moulded insulating materials, in cheap soap; as an ingredient in gypsum and lime plasters, and for floors in ceramics, as a water absorber, a carrier of printer's ink, and as a substitute for Fuller's earth, and as an absorbent in pulp industry.

**Chinese Sailors' Quarrel Customs.** Superstitious Chinese sailors practice many strange customs. One is the belief that the "Wind God" follows all vessels and attempts to sink them whenever possible. In order to humor him before leaving port they offer up sacrifices of pork, fruit and candles. Another favorite practice is to hang out long scrolls of paper covered with fantastic designs calculated to mislead the god as to the direction the ship will follow.

It is an amazing fact that Great Britain produces a fourth of all the coal used in all the world. Yet Britain's coal is by no means inexhaustible, and it is estimated that at the present rate of consumption it can only last about five hundred years.

### WESTERN EDITORS

Some Interesting Information

**Telephones Statistical**  
Dominion Bureau of Statistics Compiles Some Interesting Information

There are more telephones in Canada per 100 population than in any other country except the United States. This is shown in a report issued by the Dominion Bureau of Statistics in which the proportion of telephone users in Canada per 100 population is set at 16.52.

In 1913, Canada came first with 15.19 telephones per 100 population, Ontario 12.55, Saskatchewan 12.54, Alberta 10.83, Manitoba 10.79, New Brunswick 5.86, Nova Scotia 5.87, Prince Edward Island 5.80. Comparison of telephone statistics begins in 1911 and the end of 1922 an increase of 212 per cent. has been recorded in the number of telephones in Canada that period an increase of 21.95 telephones per 100 population. Saskatchewan has shown the greatest rate of increase since 1911 and Ontario comes next.

Compared with last year telephone revenue increased 7 per cent. and with a reduction in operating expenses of 4 per cent. net revenue increased \$2,656,000.

### Salt In Canada

Ontario Continues to be the Chief Producer of this Commodity

The output of salt from all sources in Canada during 1922 totalled 34,328 tons, of which Ontario produced 99 per cent., or 33,794 tons. Compared with 1921, 1922 was marketed. With the sales for the previous year the 1922 records showed an increase of 10,831 tons, or 6.6 per cent. in quantity, and a decrease of \$4,565, or 2.7 per cent. in value.

Ontario continued to be the chief producer, contributing 97.6 per cent. of the total sales. Nova Scotia shipped 1,000 tons, from the Miramichi plant, and 6,000 tons common rock, and 6,000 tons rock salt.

### Montreal Increases Elevator Capacity

With the completion of the harbor works now in progress, Montreal will be in a much better position to handle a record flow of grain than ever before. Windmill Point elevator will be increased by 1,250,000 bushels additional capacity, making its total capacity 2,250,000. Four additional elevators are being provided at this elevator and will be in commission this month, and the elevator's loading capacity will be increased from 20,000 to 30,000 bushels an hour.

The average age to which a spider lives is four years, but some have been known to live for thirteen years.

## Tidal Flow Of U.S. Settlers To Western Canada Has Reached Record Proportions

### Paper Plant In West

Plant Near Winnipeg to Have Initial Capacity of 120 Tons-Per-Day

Erection of the first pulp and paper plant in the prairie provinces at a cost of \$2,000,000 has begun near Winnipeg. The plant will have an initial capacity of 120 tons of newspaper a day and will, it is believed, furnish paper to the middle-western market of the United States.

Location of the plant in the west is said to be an indication of the expansion of the Canadian newspaper industry. It was once thought that the pulpwood supplies of the prairie provinces would not be called into requisition for years, but the increased demand for newsprint in the middle-western states and their proximity to the prairie provinces has brought about the demand for newsprint production in the Dominion. Some from 600,250 tons in 1921 to 1,031,245 tons in 1922 and this year, it is reported, it will show even greater gain.

### Alberta Butter Output

Remarkable Increase in Production Since Year 1912

More than 18,000,000 pounds of butter have been produced in Alberta during 1922, according to statistics issued by C. D. Richardson, Joint Commissioner for Alberta, showing the remarkable increase in dairy work since 1912. In 1912 there were 85 creameries in operation in the province and they produced 5,970,775 pounds of butter, valued at \$282,500. In 1922 the number of creameries has increased to 27,352 creameries in operation in the province and they produced 18,000,000 pounds of butter, valued at \$1,284,431. In 1912 there were 85 creameries in operation in the province and they produced 5,970,775 pounds of butter, valued at \$282,500. In 1922 the number of creameries has increased to 27,352 creameries in operation in the province and they produced 18,000,000 pounds of butter, valued at \$1,284,431. In 1912 there were 85 creameries in operation in the province and they produced 5,970,775 pounds of butter, valued at \$282,500. In 1922 the number of creameries has increased to 27,352 creameries in operation in the province and they produced 18,000,000 pounds of butter, valued at \$1,284,431.

### Amundsen's Airplane

For Trade Route

Explorer's Machine May Fly in Commercial Line at Coast

Plans to place Captain Roald Amundsen's airplane, a five-passenger monoplane Junker, which was to have flown across the Arctic Circle in connection with his expedition, in commercial passenger service between Seattle and Vancouver, B.C., were announced by Seattle, B.C., on Monday. Amundsen's business agent, several Seattle capitalists, who are negotiating for the purchase of the machine, have made it known that a fleet of planes for northwest service, Hammerstad.

### ASPIRIN

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### Expect Influx of Settlers From U.S.

That there will be a big influx of settlers from the United States to Canada in 1923 is the confident prediction of Howard Everett, manager of the Western Canada Colonization Association, who has been visiting Calgary. He reports that the association has 235 agencies in active operation in the neighboring republic.

Japan has just ordered by radio a carload of toothpicks from a factory at Ottawa, Maine. A lot of credit has also been forwarded providing for the shipment of the second carload to the toothpicks in September.

Few people would credit the extent to which the American people have come to persecute the Canadian immigration, especially the western provinces. In recent years, in the year 1917, when the first census of the United States was taken, Canada was found to have a population of 4,851,751, and of these 21,652 recorded in the birthplace as the United States. This was equivalent to not quite one-seventh of 1 per cent. of the total population. At the time the 1901 census there were 12,559 citizens of American birth in Canada. In 1911 the total of 148,118 citizens of the United States entered Canada, as well as at the present time there are about 2,000,000 people in Canada who have been citizens of the United States. This was equivalent to not quite one-seventh of 1 per cent. of the total population.

The tidal flow of United States settlers to Canada started with the offering of free Crown lands to homesteaders and immigrants that drew the people out of every country of the globe. The American immigration has always been a steady stream, and because it is most purely an agricultural one. Nearly the entire acreage of American settlers to be found in the western provinces, where they have either homesteaded or purchased land. In 1912, for instance, there were 27 per cent. of United States settlers to Western Canada, as against 10 per cent. of British nationality, and when it is considered that more Americans have been coming to Canada since 1912 than from any other country, the extent to which they are developing Canadian agriculture is apparent. Since the government there open its Crown lands and initiated its homestead policy, about 1,000,000 Americans have settled, and United States citizens have accounted for 20 per cent. of the total population of 20 per cent. of the total population of the United States.

Since the war, owing to the disturbed economic conditions, no less than to Canada's immigration policy, the flow from the United States has to some extent fallen off. The same was in the case when the war broke out in 1914. The record year since 1910, however, was 1919, when the average contribution was 60,000 per annum until 1922, only some 24,000 arrived. The Republic's denials is still of the same high quality, however, and almost purely agricultural. Through the extent of homestead land is rapidly diminishing, American settlers come to Canada with simple funds and large acreages. In the not far-distant future of 1,200 homesteads in the American West.

A further aspect of this United States immigration tide which makes it so desirable from Canada's point of view is the amount of wealth it carries with it. Most United States immigrants are farmers who have sold out their property with the intention of either homesteading or purchasing large tracts of land in large extent in Canada, and who arrive here armed with considerable funds and fully equipped to initiate their new enterprises immediately. The average immigrant from the United States is much richer than the immigrants from any other country. It is estimated that the average wealth of the British immigrant to Canada at a few years' residence is \$10, while that of other immigrants is considerably less. As a result, to review only recent years, the average wealth amount in each country of the immigrants to Canada is \$10; in 1922, 1921, 1920, 1919, 1918, 1917, 1916, 1915, 1914, 1913, 1912, 1911, 1910, 1909, 1908, 1907, 1906, 1905, 1904, 1903, 1902, 1901, 1900, 1899, 1898, 1897, 1896, 1895, 1894, 1893, 1892, 1891, 1890, 1889, 1888, 1887, 1886, 1885, 1884, 1883, 1882, 1881, 1880, 1879, 1878, 1877, 1876, 1875, 1874, 1873, 1872, 1871, 1870, 1869, 1868, 1867, 1866, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1857, 1856, 1855, 1854, 1853, 1852, 1851, 1850, 1849, 1848, 1847, 1846, 1845, 1844, 1843, 1842, 1841, 1840, 1839, 1838, 1837, 1836, 1835, 1834, 1833, 1832, 1831, 1830, 1829, 1828, 1827, 1826, 1825, 1824, 1823, 1822, 1821, 1820, 1819, 1818, 1817, 1816, 1815, 1814, 1813, 1812, 1811, 1810, 1809, 1808, 1807, 1806, 1805, 1804, 1803, 1802, 1801, 1800, 1799, 1798, 1797, 1796, 1795, 1794, 1793, 1792, 1791, 1790, 1789, 1788, 1787, 1786, 1785, 1784, 1783, 1782, 1781, 1780, 1779, 1778, 1777, 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## IT MAKES A DIFFERENCE

A lad who went after money he lost in a poker game, with a pistol, got six months with lashes. Boys, it's safer to ruin a bank and blow in the depositor's money.—Bassano Mail.

Appropo the above it might be noted that a few weeks ago some lads held up a poker game and got away with the pot, and some of the money belonging to the players. Shortly after, the hold-up men were arrested and given a speedy trial. They drew six months with lashes.

Some time ago it was discovered that officers had held up the public and got away with several thousand hard earned dollars belonging, in many cases, to widows and orphans. Although these officers and their whereabouts are known, they are still at liberty and their trial is being delayed from time to time.

The natural conclusion for the man on the street to come to after this comparison is that he should get on to the directorate of some bank before starting out in the hold-up game.

## WHO BENEFITS?

Under the above heading the Comox Argus, of Courtney, B. C. says:—

"When American firms take out lumber and tow it away to Portland or Seattle who benefits?"

Not the British Columbian. Our timber on Vancouver Island is part of the capital assets of the province. If we allow the man or the company who owned that timber to be sole beneficiary of the sale, we are allowing about a dollar's worth of capital to go for ten cent's worth of profit. If we do not use our capital to create property and find work for British Columbian men, shall we do when that capital is gone? When American firms buy our timber and tow it away in logs they get the doughnut and we get what it surrounds—the hole. We shall continue to get it until it is to their advantage and profit to employ Canadian labor and Canadian machinery to manufacture it where it should be manufactured—namely, in Canada. How long do you think our shrewd cousins would allow B. C. to build up her population and industrial resources at the expense of their capital assets; just about as long as a snowball would last in .....!"

## CORRECT!

The Medicine Hat News says that Frank Oliver has never been popular in the Hat ever since he refused to build an armory there. All the more reason why the country should be proud of the man. We have too few "no" statesmen.—Bassano Mail.

We sometimes hear it said that the old countries are very conservative and slow to move, but according to Woodrow Wilson there is a nation on this continent which is as slow at getting into peace negotiation as it was at getting into war.

It might properly be said that at the next session of the Alberta legislature our provident parliament will pass the second "Drouth Relief Act."

The gains made by the democrats in the recent election decline gives additional assurance that the world is safe for Democracy.

## SHOULD BE ENCOURAGED

The many complementary remarks and words of praise heard on all sides after the play put on in Gordon Memorial church last Wednesday evening by local talent, leaves no doubt that this class of entertainment is enjoyed and appreciated by the public. This being the case there is no doubt that it would be profitable in many respects if our churches and other organizations had more of such evenings.

It is only reasonable to suppose that our towns as well as our rural districts have considerable talent in their midst awaiting the opportunity of development. At the present time there is an almost endless variety of such plays, among which are some put out by the department of Extension in our own University of Alberta.

Besides developing what ever talent there may be in a community the preparation of such entertainments serve another important purpose. It has a tendency to bring in a social and friendly way those who take part, placing them on more intimate terms and better preparing them to work together for the general welfare of the community. It also furnishes pleasant pastime during their leisure hours for the young people

who have the interest of their community at heart.

Taking everything into consideration, the Review is of the opinion that anything of this nature should be encouraged by all

m-m!!  
Just delicious  
Try them with Butter



MORE WHOLESOME THAN BREAD

**MCCORMICK'S**  
JERSEY CREAM SODA BISCUITS

## AN INDUCÈMENT FOR WINTER TRAVEL

# EXCURSION

## ROUND TRIP FARES



### TO EASTERN CANADA

FROM ALL STATIONS IN Manitoba (Winnipeg and West) Saskatchewan and Alberta  
TICKETS ON SALE  
Dec. 1, '23 to Jan. 5, '24  
3 RETURN LIMIT  
3 THREE MONTHS  
TWO TRAINS DAILY  
A REAL TRAVEL INDUCEMENT

### TO PACIFIC COAST

FROM ALL STATIONS IN Manitoba (Winnipeg and West) Saskatchewan and Alberta  
TICKETS ON SALE  
December 4, 11, 13, 18, 25, 27, 1923  
January 8, 16, 17, 22, 24, 1924  
February 5 and 7, 1924  
RETURN LIMIT APRIL 15, 1924  
A Wonderful Trip for Winter Time

### TO CENTRAL STATES

FROM ALL STATIONS IN Saskatchewan and Alberta  
TICKETS ON SALE  
Dec. 1, '23 to Jan. 5, '24  
3 RETURN LIMIT  
3 THREE MONTHS  
To Minneapolis, St. Paul, Duluth, Milwaukee, Chicago, Cedar Rapids, Dubuque, Waterloo, Council Bluffs, Des Moines, Ft. Dodge, Marshalltown, Sioux City, St. Louis, Kansas City, Watertown, Omaha.

## OLD COUNTRY FOR CHRISTMAS

Special Excursion Round Trip Tickets to Atlantic Ports in Connection with Ocean Steamship on Sale December 1, 1923 to January 5, 1924. Return Limit 3 Months

### THROUGH TOURIST SLEEPERS

DIRECT TO SHIP'S SIDE AT W. ST. JOHN

S.S. Montcalm (S.S. MELITA) (S.S. Montcalm) S.S. Marloch  
To Liverpool, Cherbourg, Liverpool, Belfast  
Sailing Dec. 7, 1923 Sailing Dec. 13, 1923 Sailing Dec. 15, 1923

### SPECIAL TRAIN

from Winnipeg December 11th, 1923

Operating Direct to Ship's side at W. St. John for Sailing of the S.S. MONTCALM, Dec. 14th TO LIVERPOOL

## USE ONE SERVICE THROUGHOUT CANADIAN PACIFIC

## Christmas Greeting Cards

A Nice Variety to choose from

AT

The Riverview Office

### F. S. RATLIFF & CO.

FARM LANDS  
FARM LOANS  
CITY REAL ESTATE

We buy and sell Victory Bonds.

We have the INSURANCE of all kinds

LICENSED AUCTIONEER

DIXON BLDG., MEDICINE HAT Phone 2681

### Draying & Cesspool

GARBAGE AND SANITARY SERVICE

HARRY JOHNSON

Phone No. 8, Redcliff

### FRANK BAIRD

BARRISTER, SOLICITOR,  
NOTARY PUBLIC, Etc.  
Office Broadway, Phone 79  
REDCLIFF, ALBERTA

### Dr. J. R. PATTERSON

PHYSICIAN AND SURGEON  
Office over Helly Drug Store  
Office Hours: 10 to 11 a.m., 2 to 4 and 7 to 9 p.m. Phone 6.

### Light Draying

All kinds of Light draying to any part of the town will be promptly attended to.

Orders may be left at the C. P. R. Station. Phone No. 8.

Prompt Service Guaranteed.

J. L. WRIGHT

### AUCTIONEER

CHAS. W. TWATERS, THE AUCTIONEER, who has had over 22 years practical experience and KNOWS HOW to conduct your SALES OF LIVE AND DEAD FARM STOCK, FURNITURE, etc. and get you the best price. If you are having a sale consult ME FIRST as I charge nothing extra for my 22 years' experience. Address: Office and Sale Room, Third St., Medicine Hat. Residence phone, 2294. Redcliff Agent, W. Burgess, Review Office.

## Foreign Exchange

Those having dealings with foreign countries will find it advantageous to negotiate their drafts and bills of exchange through the Imperial Bank. This Bank can always procure the closest possible rates of exchange.

## IMPERIAL BANK

OF CANADA  
REDCLIFF BRANCH

A. MCKENZIE

Manager.

## Five Roses\* FLOUR for Breads-Cakes Puddings-Pastries

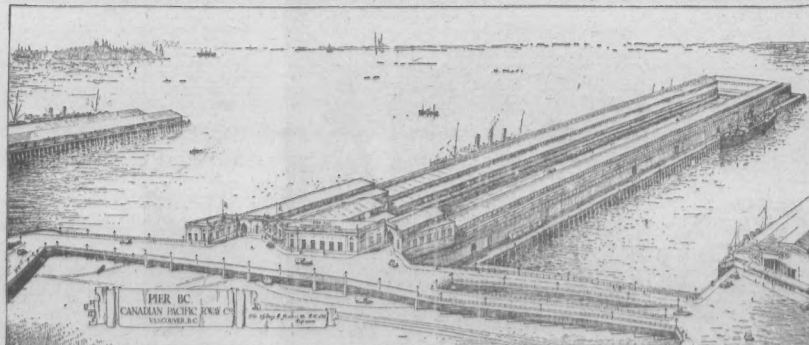
MADE BY

Lake of the Woods Milling Co., Ltd.

MEDICINE HAT

Agent P. CAMPEAU & SON, Redcliff

## Giant Canadian Pacific Pier Under Way at Vancouver



This growth of Vancouver and the ever-increasing trans-Pacific trade of this seaport has necessitated the construction of a new pier, one of the largest on the continent, for the accommodation of the Canadian Pacific Empress liners. According to an announcement made by E. W. Beatty, K.C., President of the Company, at Vancouver recently, the pier, which is to be known as Pier B.C., will be of modern concrete design, capable of berthing the largest vessels trading to and from this port. It will be 1,100 feet long and will extend from the shore between Pier A, Burrard St., and Pier B, Granville St., an estimated million dollars upon this work and the associated buildings will be involved.







## Enormous Wheat Yields

Stores of Surprising Value of Wheat

In Southern Alberta

G. C. Coote, Member of Parliament for the Macleod constituency, holds the unofficial record for the bumper wheat yield in South Alberta.

From a field of 25 acres on his farm near Stanton, Mr. Coote threshed 1,325 bushels of wheat, at an average of more than 50 bushels to the acre. This has not yet finished the threshing, but his whole crop is going well over 50 bushels to the acre.

Mr. Coote runs Mr. Coote estate, with a yield of 68½ bushels on his farm near Stavely.

In the same district, J. B. Brown threshed an average of 52 bushels to the acre on 120 acres of summer-fallow, all summer-fallow in the district that was not hatted. Is running from 40 to 50 bushels to the acre.

One hundred and five bushels of wheat were threshed on a one-acre patch on the farm of the provincial school of agriculture at Olds, Alberta, according to information received from F. S. Girdle, director of the Olds school. This is believed to be the highest wheat yield for one acre in the history of agriculture in Alberta, Mr. Girdle said.

The variety of wheat which gave such a stupendous yield was Marquis. It was grown only on this one small patch and graded No. 1 Northern.

Two hundred and five bushels of oats were threshed off one acre on the farm during the same week. On 27 acres of barley an average yield of 72 bushels to the acre was threshed, while on another 10 acres a different variety of barley yielded 60 bushels to the acre.

**GOD** home-made bread has always been the chief food of the earth's sturdy races. None of the breakfast foods or health foods can equal bread in nourishment. Good bread is the most digestible food as well as the cheapest.

**ROYAL BEST CAKES**

## WORLD HAPPENINGS BRIEFLY TOLD

West Africa natives have massacred the French garrison, 60 miles north of Timbuktu.

A radio amateur at Tallahassee has been in two-way communication with D. B. MacMillan's ship in the Arctic.

The new British Columbia voters list contains 136,097 names as against 117,077 on the list last year.

The Anglo Government ordered enforcement of the prohibition law in Constantinople, beginning Oct. 8.

A hearse equipped with talking machine, radio amplifier and a pair of drums and costing \$20,000, has appeared in New York.

A special meeting of the Alberta Council, G.W.P.A., authorized a grant of \$2,000 to the Dominion Commission to retain the services of Dr. Grant Macdonald, Dominion Secretary.

It was officially announced from Berlin that the ordination of January 13, suspending deliveries to kind on reparations to France and Belgium, had been annulled.

Eighteen hundred grain elevators will be constructed in the southern region of Russia. Orders for a number of them have been placed with Canadian contractors.

A new radio station that is expected will be heard in all parts of Canada, is operating from the Province newspaper office, Vancouver. It operates in 410 meters wave length and has CIGCO as its call letters.

The Department of Finance, Ottawa, confirmed cable reports from London to the effect that Munana has made a payment of interest on her loan from Canada. The amount paid is \$179,000, being interest on the loan up to October 1.

A new record has been made on the Berlin-London airway, the distance having been covered in six hours flying time with stops at Hamburg and Amsterdam. The record making no stops carried three passengers, freight and mail.

W. M. Graham, Indian Commissioner, estimates the wheat yield in the Indian reserves at 1,200,000 bushels. He states that the Indians are now using the most progressive ideas in their history.

"The case with which come and starts can be removed by Holloway's Cure. Remove it by the strongest recommendation. It seldom fails."

Under the direction of an American expert, China is building one of the world's largest dams, which will be able to contain fourteen tons of silver daily.

**KIDNEY PILLS**

**WHY HAVE SKIN TROUBLE**

**Cuticura Will Prevent It**

**Why Have Skin Trouble**

**Cuticura Will Prevent It**

**Why Have Skin Trouble**

**Cuticura Will Prevent It**

## Women Can Dye Any

Garment, Drapery

Dye or "Tint" Warm, Faded Tints

New for 15 Cents

## Diamond Dyes

Don't wonder whether you can dye or tint successfully, because perfect home dyeing is guaranteed with "Diamond Dyes" even if you have never dyed before. Directions in each package.

## London's Working Populace

Over 40,000 Pour Into City Every Day

The Daily Job and Flow of the

thousands from the City and

County of London is described in

the new volume dealing with

"Workplaces in London and the

Home Counties." The total of "un-

employed" persons in the whole area

is, in round figures, about four and a

half millions. Nearly two millions

returned themselves as having their

workplaces outside the area of resi-

dence. The great majority of the

population who work in London live

in a ten-mile circle. This ac-

counts for the pressure on local trans-

port and omnibus services and on the

suburban railways night and morning.

Roughly, 60,000 persons pour into the

city area daily, the night population,

or residents, numbering less than

100,000. Over one million persons in

the whole area are employed in the

largest group in the order of num-

ber.

In the daily inflow of 400,000 to the one square mile, nearly a quarter of a million come from the adjoining home counties. Of the outside counties, Essex is the largest contributor, with 14,623. Nearly 7,000 come daily from as far as South Essex, and 10,000 from the north, Essex, Middlesex, with 55,565, stands next among the contributing counties. The numbers coming from Herts, (8,700) and Tottenham (8,350).

**Girls' Women!**

**Improve Your Looks!**

**HOW TO MAKE THE GLOW OF HEALTH SHINE IN YOUR CHEEKS**

**News of a Simple Treatment That**

**Thousands Find Beneficial**

**Also—your bloodless face indicates trouble. Your watery blue pinches your health. Why not try the**

**simple, cleansing assistance of Dr. H. Hamilton's Pink Pills?**

**They will give you the glow of life into the cheeks, brace up diges-**

**tion and make you eat sufficient food to build up your system. To your best and to feel the benefits of good health take Dr. H. Hamilton's Pink Pills frequently. 25c at all dealers.**

**Asbestos Beds in Quebec**

The asbestos beds in the province of Quebec are the most important in the whole world and yield 80 per cent of its supply in this substance.

These mines are situated in the east of the province in the counties of Magalloway and Richmond. The asbestos flows from these mines, after their opening some forty years ago, has realized \$100,000,000.

**Game Invented 3,000 Years Ago**

The Chinese game, Mah Jongg, which has taken America by storm and which is being played in London, is the oldest card game known to have been invented 3,000 years ago by a Chinese fisherman who visited away the time of his leisure playing the game with his employees.

**4414 dogs were littered out, lost in Germany in the first quarter of 1922, against 2,414 in 1921.**

## Canada's Record Grain Crop

Notable Gain Over Last Year Shown

in Western Provinces

Particulars revealed at Ottawa were that the grain crop yield in Canada this year compared with last year as follows: Fall wheat, 13,751,000 bushels; spring wheat, 13,500,000; spring wheat, 13,500,000; barley, 13,250,000; 400; all wheat, 47,025,000 bushels against 39,744,000 bushels; oats, 12,154,000 against 11,230,000; barley, 8,043,000 against 7,545,000; rye, 21,320,000 bushels against 22,312,000.

For Ontario the estimates are: All wheat, 19,101,000 bushels against 19,200,000; oats, 19,100,000 against 19,200,000; barley, 10,100,000 against 10,200,000; rye, 10,100,000 against 10,200,000; all wheat, 19,101,000 bushels against 19,200,000; oats, 19,100,000 against 19,200,000; barley, 10,100,000 against 10,200,000; rye, 10,100,000 against 10,200,000.

For the three prairie provinces the estimates are: Wheat 14,775,000 against 12,710,000 bushels; oats, 254,700,000 against 235,660,000 bushels; rye, 25,711,000 against 23,612,000 bushels; barley, 12,154,000 against 11,230,000 bushels; and flax seed, 6,252,000 against 4,001,700 bushels.

**Northwest Indians**

Get More Reserves

Government Sets Aside Additional Territory in North Country

Because there is great danger to the "Indian" aboriginal natives of the Northwest Territories, the government has passed an order in council making additional reservations in the Northwest Territories. The order states that increasing numbers of persons and their non-resident hunters and trappers are going into the country and depleting wild life and game resources. It provides that license shall confer the right to hunt or trap on a number of Indians living on a reservation or other areas to be known as "Indian" preserve. Yellowknife preserve, Inuvik preserve and Slave River preserve.

**Catch Limit Was Reached**

Fifty Cars of Fish Shipped From Lesser Slave Lake

Fifty cars of fish were shipped this season from the waters of the Lesser Slave Lake to various points in Canada and the U.S.A., the majority, however, going to cities in the Eastern American states. These shipments were practically all whitefish, the carload quantities being disposed of in the local markets.

The fishing closed on September 29th, and during the last week a considerable quantity of whitefish were taken, while the whitefish had not at that time come up into the shallow waters.

Many were employed by the various companies and the catch limit was by the fisheries department was reached.

**Good-bye Asthma.** Persons suffering from that distressing trying trouble, known as asthma, have a lot to go along with all their hearts for escape from this "Asthma" Name. You will know when an attack may come and this, being darkened around half the edges, to indicate where it is night. It is moved around by clockwork. Arrows extend from the stations on the map to the edge, indicating the approximate times at any given moment. The entire device, moving across the shaded area, eliminates need for calculation by the operator.

**Eskimos Do Not Like Sweet Things**

Children Have No Taste for Candy or

Ripe Fruit

Two brave travellers, Knud Haugen, a Dane, and Vilhelm Steffensen, a Norwegian-Canadian, who recently written his books telling as much about the 1908 race that the Eskimo people as the Arctic Circle may now know them well.

One curious fact is that Eskimo children do not like the sweet and tart, either as before, or as jam, or as ripe fruit. Delicious berries growing all around them they will not touch.

An Eskimo mother, however, a very merry person, because really angry with anyone who offers her children a packet of the best chocolate, and the children turn away with repulsion, so great is the power of training and habit.

**Forage Guidance of Youth**

This is from a French manual for the guidance of youth, first published in 1912, which ran through 50 editions in the course of the twentieth century. "For the sake of character," it is well to read the face every morning with a white towel in order to remove the dirt. It is not advised to wash with water, for this exposes the face to the cold of winter and the heat of summer. A similar rule is laid down in 1667, where children that "wash the face in water" before the day, brings on toothache and other and dangerous troubles.

**Mina's Lintiment for Sprains**

**Mina's Lintiment for Headache**

## Especially for women who live on farms

Aunt Jimmie Panche—thousands of farm families have tried regularly these pills. They're so easy to get and their old-fashioned flavor makes a hit with everyone.

Now, in response to requests, Aunt Jimmie Panche Flour comes in larger packages, not only as large as the regular cakes. More convenient now economical. No waste from spilling with sticks. But the same flour—Aunt Jimmie's famous Southern recipe truly tested.

Ask your grocer for the big Aunt Jimmie package.

"It's in time, time!"

## AUNT JIMMIE PANCAKE FLOUR

**Great Oaks from Little Acorns Grow**

It's the careful systematic saving of small sums each month that enables men and women to become buyers of good bonds and so establish themselves on the road to financial independence.

Our Partial Payment Plan for Buying Bonds has been devised to enable the wish to draw up a portion of their income. The Plan is quite simple and will appeal to those who wish to secure the maximum income return, consistent with safety.

Buying Bonds on the Partial Payment Plan is fully described in a special booklet. Use the coupon below to obtain a copy and find out how to become the owner of a safe \$500 or \$1,000 bond during the next few months.

**Amilias Jarvis & Co. LIMITED**

293 Bay Street Toronto

Kindly send me a copy of "Buying Bonds on the Partial Payment Plan."

Name \_\_\_\_\_

Address \_\_\_\_\_

Office: Toronto, Montreal, Ottawa, London, New York, London, Eng.

World's Time For Radio

Map Eliminates Need for Calculation by Berlin Operators

At the immense new central transmitting station in Berlin, it was imperative that the sending operators should know the exact time in any other part of the world at a given moment. Some form of clock was necessary, that would indicate day and night, and simultaneously indicate the time at all other important radio stations throughout the world. A map of the world was therefore placed on a circular glass dial, on the outer edge of which two twelve-hour arcs were graduated at five-minute intervals. This dial, being darkened around half the edges, to indicate where it is night. It is moved around by clockwork. Arrows extend from the stations on the map to the edge, indicating the approximate times at any given moment. The entire device, moving across the shaded area, eliminates need for calculation by the operator.

**Wrigley's**

**After Every Meal**

Have a packet in your pocket for ever-ready refreshment.

Always digestion. Always thirst. Soothes the throat.

For Quality, Flavor and the Seal Package get

**Wrigley's**

**THE FLAVOR LASTS**

**Filling Station For Pens**

New Innovation On Campus of Chicago University

Chicago University has a fountain pen filling station on its campus says the *St. Louis American*. The machine, which is a small, white, box-like device with the style of a fountain pen, is a new invention of the university.

**Population of China**

China has a population of 450,000,000, according to the annual report of the Chinese post office. The figure is only a vague estimate, compiled from reports of provincial officials, as no systematic method of census taking is followed.

**One of the needs of the hour** is a pocket alarm that will enable the traveler to escape from the street—Boston Transcript.

**The Four Man's Friend.** Put in small bottle that is easily portable and safe for a very small sum. The "Four Man's Friend" is a small, white, box-like device with the style of a fountain pen, is a new invention of the university.

**Albion, according to the last government agricultural report, has 100,000 head of cattle, valued at approximately \$115,000,000. The product of these cows last year was worth \$22,000,000 or \$220,000,000 more than their own value.**

**MIRINE EYES**

**SUNWIND DUST CINDERIS**

**RECOMMENDED BY DR. J. B. BURGESS & CO. LTD.**

**RECOMMENDED BY DR. J. B. BURGESS & CO. LTD.**

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## PRATE SALE of Household Furniture at Barber's House

5 Piece Fumed Oak Spanish Leather Den Set.  
Player Piano, Fumed Oak.  
Two Leather Chairs.  
Gas Log, 2 Steel Couches.  
Library Table, Fumed.  
Two Quartered Oak Princess Dressers.  
Quartered Oak Dining Room Set.  
Two Banner Springs.  
Two Ostermatt Mattresses.  
All Other Necessary Articles in Household.

CAN BE SEEN ANY TIME  
BEFORE THURSDAY, NOV. 22

### Interesting Local Items

Mr. O'Rourke, of Medicine Hat, is spending a few days in this city, the guest of Mrs. P. Benson.

Harold Cann, of Fernie, B. C., spent the Thanksgiving holidays with his parents here.

Miss Grace Morrison, of Medicine Hat, is spending the week end in town the guest of Miss Dora Hicks.

Jas. Jardine, of Lethbridge, was home with his parents for Thanksgiving.

R.R. Stoner, of Camrose, spent a few days in town this week on business.

Miss Nanette L. Greenhill, who is attending college in Calgary, spent the vacation week with her parents here.

The Thanksgiving and Armistice Day occasion were fittingly observed in the churches here.

Miss Barbara Lydiate has returned to Calgary to resume her studies after spending the Thanksgiving vacation with her parents here.

Quite a number from here are going to Medicine Hat tonight to hear Dame Clara Butt who sings in the Empress theatre there.

A number of people from Medicine Hat took in the play in Gordon Memorial church last Tuesday evening. Among them were Mrs. McLaughlin, Miss Armstrong and Miss Hopper.

Quite a number and a jolly crowd attended the Armistice dance in the "Club" last here last Monday evening. They all report a most enjoyable evening.

The special feature, "Vanity Fair," shown at the Amuse-U theatre last week end attracted a good crowd and all were delighted with the film. There will be another good show this week at this theatre.

The girls who undertook the selling of poppies last Saturday had little difficulty in disposing of them. Officers and members of the G. W. V. A. wish to thank the young ladies for the services on that occasion.

Robert Everett, an old resident of Redcliff, is preparing to leave for his old home in England, where he intends to reside in future. He expects to sail in the course of the next week or ten days.

The ladies' aid of Garden Memorial church wish to thank all those ladies and gentlemen who took part in the play on Tuesday night, and who by giving so willingly of their time and talents made it the undoubted success it was.

Rev. Long, of Ureana, and Weddie, of Glendon, were in town last week in connection with the sale of the Brethren church here. On Sunday last the communion and Love Feast were celebrated and the visitors occupied the pulpit in the church for the morning and evening services on Sunday.

The public meeting which was to have been addressed by Mr. Gardiner here last evening was indefinitely postponed as Mr. Gardiner had to attend a meeting of the Wheat Pool committee in Calgary. It is to be understood, it is Mr. Gardiner's intention to address a meeting here later on.

The school football team plays the final game of the series here tomorrow Friday evening at 8 p.m. The winning of the game which the Redcliff boys protested a week ago, when they won the protest. Although Redcliff took no chance of winning the series the winning of this game tomorrow will put them in second place.

H. J. Cox, prop. of the dray and fit, these days suffering from a severe cold and touch of pleurisy. We are pleased to report, however, that he is improving. During his illness Rev. J. Orman is acting as chauffer.

P. Keller, handling the freight. This is another evidence of the many charitable acts performed by the ministers in this western country.

### PREPARING POULTRY FOR WINTER PRODUCTION

(Continued from Front Page)  
of it than if only one kind is used, green feed that will prompt the birds should be given them. It may be used both separately and chopped up and mixed in a solid mash.

Unless care is taken when the birds are put in to feed sparingly with grain and heavily with green feed, they are liable to become sluggish; if any tendency to this is noticed, Eastern suits should be freely used, and a pound to 100 birds.

The following methods of feeding have given good results:—  
A hopper of dry mash composed of equal parts bran, middlings composed and oat chop and half part tankage is kept before the birds at all times.

When milk is not available additional meat food must be supplied. In the morning the birds are given a very light feed of scratch grain scattered in the litter, green feed is also supplied, at noon a moist mash is given in which is mixed a goodly proportion of chopped greens, at night a full feed of scratch is fed.

When lights are used—and they are used—greatly to the early winter production—an extra feed may be worked.

## BOYS' SUITS

Made to Measure

Regular Price \$12.00

SPECIAL  
\$8.10

Grey Tweed, Belled  
Knicker  
Made up in first class tailor  
fashion.

BARBER'S  
Broadway Store

## AMUSE-U THEATRE

FRI. and SAT.

NOVEMBER 16 & 17

Special Fox Feature

"Trooper  
O'Neil"

GOOD COMEDY

USUAL PRICES

## HAVE YOU A Dollar's Worth of Confidence in Your Red Cross?

Your Red Cross is once more calling upon you in the name of suffering humanity to give from your plenty, so that others less fortunate may benefit. The annual drive for membership and finance is now on. Canvassers in your district will call upon you soon. Be ready for them and do your bit once more.

Give a Bushel of Grain if you prefer to give that way. Your elevator man will tell you how.

It is estimated that if each farmer with 4 section gives 2 bushels, with 4 section gives 6 bushels, that, with the cash donations from the towns and cities, the Alberta Division quite of \$45,000 will be reached easily. This plan has the endorsement and recommendation of the Lieut.-Governor of the province, the committee of the Alberta Wheat Pool, the Alberta Elevator Companies.

Many new Red Cross activities in rural districts are planned for 1924.

Greater rural hospital and nursing service facilities and in addition a special course of home nursing class will be conducted throughout the length and breadth of Alberta under the direction of qualified nursing experts which everyone will have a chance to attend. Send 25 cents for the manual on Home Nursing. It is a most complete book filled with information essential to health.

## Canadian Red Cross Society

Alberta Division.

If you prefer to make your donation in cash, mail your cheque to: The Honorary Secretary, Canadian Red Cross Society, Alberta Division, 208 Heretage Building, Calgary.

## Churches

ST. AMBROSE CHURCH  
Rev. C. F. Orman.  
24th Sunday after Trinity, Nov. 18.  
9:00 a.m., Holy Communion.  
11:00 a.m., Matins.  
1:15 p.m., Sunday school.  
2:00 p.m., Terra Nova, Evensong.  
7:30 p.m., Evensong.  
Wednesday, 2:30 p.m., W. A.  
Thursday, 4:15 p.m., J. W. A.  
Friday, 1:30 p.m., Evensong followed by Choir practice.

GORDON MEMORIAL PRESBYTER-  
IAN CHURCH  
Rev. T. S. Faten, R. A. Minister.  
Services on Sunday, Nov. 18th.  
1:00 a.m., Address by Mrs. A. E. Armstrong, of Toronto; Subject: "A Personal Visit to Our Mission Field."  
7:15 p.m., Informal Song Service.  
7:30 a.m., Subject: "The Valley of Dry Bones."  
Tuesday evening, 8:00 p.m., W.M.S. Thanksgiving meeting, Special Program meeting to be addressed by Mr. H. Lang and Mrs. Rev. J. A. Claxton, both of Medicine Hat. Men and women invited.

CHURCH OF THE BRETHREN.  
Sunday School at 10:30 a.m.  
Praising Service at 11:30 a.m.  
Praising Service 7:30 p.m.  
David Hollinger.

ST. MARY'S CHURCH  
Celebration of Mass and 4th Sunday of each month, 8:30 a.m.; by Rev. Father Fitzpatrick.

SALVATION ARMY  
Services will be held regularly each Sunday—Sunday School 9 o'clock. Salvation meeting 7:30. Midweek services every Wednesday at 8 o'clock. Services held in the Howard building. Every body welcome.  
The Salvation Army would be very grateful for donations of clothing or anything that could be made use of for relief purposes. Anyone desirous of helping please phone 56 and we will be glad to call. Thank you.

### MISCELLANEOUS

FOR SALE—Early Rose potatoes, also five dozen strawberry plants. Apply to C. H. Williams.

FOUND—An auto crank on road between town and Bowell. Owner can get same at this office by paying for ad.

FOUND—On road between Redcliff and Medicine Hat, a man's overcoat. Owner may get same at this office by paying for ad.

FOR SALE—A fine bred Jersey cow in good condition and first class milk cow. Apply to  
C. E. OAKLAND.

FOR HOUSE WORK and plain sewing, Children's work a specialty, see Mrs. A. SHAFPORD, opp. Baptist church.

### Lang Bros. Ltd.

#### INSURANCE

Fire Accident  
Life Sickness

651 2nd St. Medicine Hat  
Telephone 3554

## Overcoat Underwear & Sweater Season now on

Quality, Not Quantity, The Slogan

### TIMELY SUGGESTIONS

WEATHER FORECAST SNOW COLD ENOUGH FOR WOOLENS.

OVERCOATS—A good all wool Overcoat with

Plaid Back at .....\$18.50 to \$28.50

LADIES' SPATS—In Popular Styles and Shades, High

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#### SPECIAL

Agents for Made-to-Measure Suits, Royal Tailors, Toronto, guaranteed to fit, at .....\$25.00 to \$35.00

MEN'S SOCKS—Cotton, 5 pairs for .....\$1.00

Men's Corduroy Trousers at .....\$5.00

WORK SHIRTS—For Men, Flannelette, at .....\$2.50

Men's Blue Cambray Shirts at .....\$1.50

MEN'S GLOVES—For Work, Horse Hide and Buck

Skin, Lined and Unlined at .....\$1.50

STORE OPEN ALL DAY WEDNESDAY

## THE HICKS TRADING CO.

## Keats' Billiard Hall

BILLIARDS and POOL

TOBACCOS, CIGARS, CIGARETTES, PIPES AND

BOX CHOCOLATES

## Barber Shop

NOW OPEN

Jack Matheson in Charge

A TRIAL SOLICITED

Ladies and Children's Hair Cutting a Specialty

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She says wives like a box of candy just as much as when they were sweethearts, and that husbands shouldn't cool off like a flat iron six months after they are married.

## Nice Line of Fancy Confections Just Put in Sock

We are Sure your wife will like them

## REID'S ICE CREAM PARLOR

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WE HAVE JUST RECEIVED A COMPLETE STOCK OF GOOD DRY LUMBER AND ARE NOW BETTER PREPARED THAN EVER TO TAKE CARE OF YOUR REQUIREMENTS IN THIS LINE

SCOTT'S LUMBER YARD, REDCLIFF

Agents for

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